# AMCGRAW-HILL PUBLICATION WEEK



.and for all 20 years **BRANIFF** has *Consistently* used



# spark plugs

Marking two decades of growth, Braniff International Airways celebrates its 20th Anniversary most appropriately with the inauguration of its new service to South America. Participating on the mechanical side of this achievement, 84 Spark Plugs have been used by Braniff since its earliest days. Such consistent use shows that 84 Spark Plugs meet the standards of the rigid Braniff program of "Meciulous Maintenance."

FOR AIRCRAFT ENGINES ... AIRCRAFT SPARK PLUGS

# THE BG CORPORATION

NEW YORK 19, N. Y.
SERVING WORLD AVIATION OVER THIRTY YEAR



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# Now runways stand up when the world's biggest bomber sits down

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AVIATION WEEK AND 12 Made



# IGNITION SHIELDING come easy to

Titeflew engineers



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Titeflex, Inc. ---

# SECTION OF STREET

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Executive and Editorial Offices. 200 W. 42nd St., New York H. N. Y., Photo Longston 6-905; National Press 1866; Westington 6, D. C., Photo National 1615 Dennish New Record Advan S. Wholes/Dennis Wide: Chicago 11: 500 N Michigan Ave.; Chrysland IS, Blance Edly, Ostevid 26, Pennisons Edly; Le-Angules IA, 621 S. Hope St., See Prantone 4, 62 Pers St., Rasson, 151 Seeth Applies IA, 621 S. Hope St., See Prantone 4, 62 Pers St., Rasson, 151 Seeth St., Coronaconferm Patter, Edible, Ballon, Device, Device, Delyncoller, Correspondente Busine, Bullain, Bullain, Deyton, Duerrer, Bullianquille Leistonwelle, Kenner, Gry, Kenerski, Lamine, Learnelle, Mangelen, Marwille Hilbertaker, New Orleans, Oklahossa Gely, Ophon, Phalabelphia, Pharane, Fini-burgh, Perchard Obes, J. S. Lenn, Sub Lain Carp, Georgi, Worksh., and 41 cites Deepth, Perchard Obes, J. S. Lenn, Sub Lain Carp, Georgi, Worksh., and 41 cites

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> tory which country the menuted execut AVIATION WEEK, July 12, 1945

# Hopping off or Stopping off at Wichita Falls, Texas..



# Refuel with Phillips 66 Aviation Gasoline

Planning an air trip? Then remember that you can get complex, up-to-the minute service at the Wishin Palls Manaripal Asport in Texas. Five pared resways of over a mile such. Maper averband repair station. Large government flying school. Modern equipment . . . shope . . . and trained personnel to service all types of aircraft.

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# Fluid Systems that are cloqued

# mean fewer hours being logged . . .



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#### NEWS SIDELIGHTS

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SPEEDS SHIP-SIDE LOADING & UNLOADING OF BADDAGE AND FREIGHT... SAVES TIME ... MOHEY & MAN-POWER

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AVIATION WEEK, July 12, 1948

For America's Finest Planes

Today, as throughout their years of distinguished service, U. S. Royals have proved thorosolves the perfect operators for the faster planes. They see briefing superior performance and sadely to every type of plateofrees sing two-seators to dant aritheses. Aux. With sinteen aftershift the wearboarses and birty-shree field of the contractions. The provides

every need across the country.







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AVIATION WEEK, July 12, 1960

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# USAF, Navy Step Up Jet Engine Buying and with only accessorer and souther standard store beam perchand. Com-

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**NEW J-M INSULATION** 

protects the Lockheed P-80

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AVIATION WEEK, July 22, 1968

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PAY CETS A ROOM with a check from Mrs. Depay, widow of the pleaser safety Shewen Facility for the Exchart Honey advents, Facility, PSF President Jacobs Depov. p. Menneid Ford. Left to right, Ledow, Ven Freidert High De Hores.

Safety Foundation Lists Projects Independent group plots research work on variety of safety factors. Fairchild finances private flying study.

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Who Can Fly?

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"Petulant Porpoise" Tests Hulls Interchangeable hall is feature of research plane used to try out new designs for fiving boats.

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#### New Chief of MATS Continental Division Cartmental decision of the Military

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#### INDUSTRY OBSERVER P Devolus Aircraft Co. test salety are still fiver the D-558-2, Sixondart, one of the senes of supersenic research phases built for the iniet Ass

Fann, Navy, NACA logh speed fight necessis program. Skytosket in powered by a Westinghouse 24C jet engine and the type of Reaction Motors racket mater used in the Bell X.1. Industry absences believe the Skymplet will arbitry appendix mode poor sails than did the X-I and eventually bit higher Much sumbers. It is designed to reach Much 2.5

Perkit trate at Moraci. Donates has an exited order for 25 of these please. P Nove is modifying a course of the Essex slass to take larger around then you are in curve service. Muddicators, will makely hericities extraolity emissioned deck, and enlarged elevative. The modified carrier probably will be med for interior testing of new Navy contenbased trees until the \$5,000 too supercurrier prototype is ready for use. The super

► Swelch Sub 1-29 (over 15) combines festures of Crammon Prother 20 mm comon. Wines have worship unbedeal to compressive for received effective diluting of waar moon SAAB plans quantity perduc-\* Navy is cattrice from North Assertion FEI Fery let debten in the

et diverce of the 1945 Bendie treeby mee. The Jan Selten, of Victor Scandary VE-51 will make a feel stor at Untelname Very No medifications will be made to the ampliant and only standard-size the feel tieds will be exerted. Air Force jets will not enter the rice this year Proj Mosts will by to become the first these-time women of the seem Assertion P. Clausel by well for the Mastersy that was in 1944 and 1947. Mastif enters will be barked by Gleen McCarliw wealthy Regates.

\*Handley-Fage will set up a relability company to take over prodiscool of the Statistics, Rettin 21-principe treatment, from the now defeate Miles Aircraft Co. The Marathon will be built in two vertices. \* USAF is steadth mesoning the amount of magnetion used in reli-

► Crash of a Ectash Tuder II prototype list August killing Ray Class-wick, shaef desirate of A. V. Eco Ltd., amount others, was officially blanged on special offeres control chains. The chains appropriate were

reversed rendvestreatly during modifications made as past of the protetype but program, and dipped by final ground impection. ■1 action alone to install the Wright compound entire in the Mil-1. Constitution experimentally and in the FEV-4 Neptons in production. The new Weight angine, a modeled R-1998 Cyclinic with three turboaspecchangers general back ratio the engine, develops \$200 kp and in

\* USAF place to expend its prior tertains process to produce 5000 prior during the next year. Bulk of aviation codet presenting will be from colleges and universities.

LAES Director to Brazil Drugil's Institute of Assessment set reads LAES, located in Asonto, Cold. loan ics nationes

AVIATION CALENDAR

to, Not Tech reconstruction of Accounting Su-reconstruction of the American Res Brief American of the America Res Briefs Advantages applicated Gather American Street Emblane America 100, Street College, 400, 15-56.—Service Chicago, 400, 15-56.—Service Contenting of the Date of Street Contenting on the James And State Continues Control and the Control of the Control o Morrie Done Men Av Tour Ches. Spirit Committee and Committee of the State Stat Awa IE-D - Schmidtered Waterfall Treese Middl Alvahow Med Abric Oder Rege, 64 - Veldood Abr Todos Christoth Segs 5-11 - Securit Marmatoni Chapters of Applied Mechanics Improbl Debter of Princer and Technology, Brails Kneelinginto.

Eury 18-16.—Nagamet Incorporat Confer-room Testromend Studies of America, Convention Still Philadelphia.

Band 14-16-XA Counts without principal Bacil 16:18-EATA Dana st., Harbing Emerch Bags, Brill-Trenth Inquitational Control Into Northwest Artistic Fluiding Coun-ter Vancount B. C., Vancount B. C., Sangara Consolities Econfor Sub-Nedersk Association of State Mander.

1 14 - Australi Aly Lite Dispatchers Associated convertion. Dispatcher board State Chicago His.

1 15-14. Industrial plants plents of the large Chicago His.

1 15-15. Industrial Industrial Confessor Convertions.

# **FNGINEFRING & PRODUCTION**

# Odlum Touch Apparent at Convair

Resignation of Luddon and closing of Stinson plant at Wayne are latest mayes in management change. The win Flord Bestreek Odlers. Warse operations, it is aerobable that deals with a "special structura" in an efforts to sell the personal plane busi

When Office had once or broad cost Corp. let Naveraber, persons families with the recleanage by which new for heads off on management shows for no excepts. The arresment moved in May and LyMore T Harry Woothead moving up under Officer at reperlustrate of the board ► I a May Out - Woodhead was bepured in when Asen bought Comobdated to 1941 and he north/regal from the 1947. But but work brought new exhouse a recent I M Intion tolong ever his duties. Laddon will re-Odies, through his chief system advance Benguan O Howard, his benu-County unov May Personably he has alms of Streets is being cloud and Stinon production being moved to Sturen has been on the black for

cusing factor in the States picture ready is dead, according to company inmore periods by Walton A. Roes. Copyrer vice president-rate. Blees has

suggest did not went to preven the This over he is noth one report that Straton would be sold to a new comis Executive Modia-With a new costs seering chief and, probably, a new shaffe in all likelihood will be com-

torudent V C Schulenmer, vice property of the second state of the second state of the second se promon-desired, and resigned life was increased by L. W. Maler who had hore with Northeast Andress also an Office interes The Office charges familiar petition, woven more teach by Offices with variations to start perwhere for any beautions (by a con-Propriet Situations-The many for Other meant a Court and other



months. Early this paying Conven-EAGS BOLL DOWN THE LINE An industrial of progress made by North in this way of the final country less of Annual Avator is gifting into profus. the company's Lot Assatts about where With the damages to close down tree of the Fifth pet lighter for the No Finne. 67% of the lighter see being built.

at a profit and Africa stockholders (about Dougles talks with United Auto West- Both are using accompage advertise 10,000) act the descende en coverag Lone Beach plant car-Those are what Oillam calls "special plopes were at a stand-stell, with a after exceled study convences has "Boons Blooms - Further developments in the Borrier neturbon are due todor with the fiber of wotten sep-Housed Eingles they took, Odlam had new against the company. After reothers they been \$150 engines ► Profit Next Year—In Concar, Odlors mediate report and 15 days will be costnets B-36 and 2.13. The latter be minered further. Stiesco had your

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ANTATION WITH ALL 22 IOAR



# Wire and Cable for Aircraft

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Products of Characo, Millions Industrial Bassarch



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# Magnesium As Weight Saver Valuable lessons learned in utilizing lightweight alloy as production material for various parts of B-36.

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AVIATION WEEK, July 12, 2940

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HERITAGE

Chargion Ceranic Aircraft Spark Flugs are not only providency single. Chargion Spark Flug-aircraft, automative act, of seasonington, but now beneficiates of the nithest or otherwise on broken by unequalited research, seasoner. herdage in the spark plug field. Champion produces speek mg, manufacturing facilities and strategics rear reas explays authorsely and has afformed leadership because substat. Champion Speck Plug Company, Taledo 1, Chia. Dates to the CHARPOON SOLI CALL. Party Wilmer's fast secretary party fodgs with over the ASC Margarit

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AVIATION WEEK, July 12, 1940

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Boring Taps Colleges About 100 students have already scended jobs at Bockey Alacult Co., and an additional 150 are espected, as pert of Boston's year-old scorect of calleding college strates for correspond engineering jobs.
Duty 70% students have been so. proschod by 19 Bosing engineers must

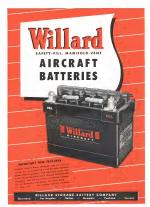
AVIATION WEEK, July 12, 1948



AND THE SECRET IS SCINFLEX! Persia Granitta" Decadosi Consectors are precision bell Developabilité Martial Consequent au prochino bale to render pole figurency legra nel dispose qu'en usée (fillage operating opolitimes. The use of "Foundes" Malayers massival, a cour broids foundes feveragement et consequent au stability, malest them vibrolino-proof, mitrospeptor, president de la and german fashower and renegat vide series à tempresse strategis, from -67° Lyo 4-56° F, performance is manufa-alde. Dalaette unranght in correct four than 500 oots per mit.

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#### Raising Turbine Inlet Temperature Power increase to be printed in jet engines by horsting

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Date of Mades continues such as next increased the effective ear from penture 509 F and reduced the \*Liquid Cooker-The method source mehitos considerable care considera Denetifier of find positive in While the oxygon-bydrogen flame

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# **Balloon Operates Wind Tunnel**

Recurse of the difference to valuate do an available for fort and example of the victom sphere, a 4×50t tellal 3400 mph-well be operated by dry six from a 22,500 m; fr. Nylon "balloon" A cap-shaped subber improgramal to dampeter, or 30 ft bugh, and will st 28.0 Souble doplings, 3 ft deep and ledding 1900 on it of an well be cove cettade air dried by pursping Considerations or construct will be a from this smaller depleteges before the Deine non his sell cod from the

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CinquiamBase Allers at 1970 F. NACA Technical Note 1914. 2. Freeman, J. W., Edit, F. B., and White, A. E. Higher Designation Chausteristics of 17 Alleys at 1200 3. Carlot, R. F.- Cameric Bodies for Turbinger Blades. (Parger surrogated at Detroit, Jun. 82-16, 1945.

4. Elizabard, H. NACA Inventors.

Scenera, New York, Jon. 26-29, 1945 5 Davier, Pol and Wheeler, II L. national flight properties meeting of the IAS, Gleveland, May 19, 1948

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Test and de makes will be rater need as beach filtr, Model 1190 S. sariated by BoAll Co., 254 N. Louid Ave., Des Plaines, II Steplen raceda from 170 470 stokes nor man, and clumed for films, presum, or berning, riffer is equipped with two larges for











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# AVIATION WORLD NEWS #



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New French Turboiet

DCAs Ton Fabra or schooled dark KLM. Royal Datch Arkney, or DC to on its two worldy run. For scarco from Greece now have direct York) KLM is upper DC-fo ex. do Sabena, Belgian Alexaner, in operating once weekly from Johnsonsburg to Research to 24 by -- first time South

# Sweden Develops Jet Aircraft

Fitted out as a "flying lab," pressurized fighter is scheduled to begin test flights this summer. Swedon's contribution to set only devilopment in braifed in the Sub-25 (R. 1001) pressured fighter, designed for (see APA mak) want with a de Hay-Hire but Subtr on scholated by

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# Sitting Pretty...



on Bridgeport Upholstery Fabrics The fresh well-recorded look of plane sents fitted with

necessary are sittled unity. These smoothy styled febrics are smooth, soft, and comfortable. They won't feel bristly or clear to elething on even the bottest summer day. And there are other features important to the manufacturer or auring country Bricksmost Fabrics are made of the finest woolens and worsteds, tightly wowen to resist durt and states. They can be breaked bright in a moment. They are extrepoly lightweight end long-wearing with special construction features that speed up installation by as much as 20% over other type febrics, la addition, a Bricksmort Fabrics have been certified flameproof by the CAA.

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#### LETTERS

Inter City's Rotes To the Eddor

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AVIATION WEEK, July 12, 1968

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American Airlines new Cerenie Regulsijn-300-milse onhour, 400 passenger einrocht is designed spesielly to glow short-houd prossengers a stenderd of service correspondings in the longer-energe DC-6 Rogolpha service. The powerde 2,100 Hz, segrisse, which life this nerwest Regulsip or or rate of 2,000 Keet or minute, one statististed—as are all American Flanchia enziese—with Statistic autzear ox

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AVEATION WEEK, July 12, 1965

## SALES & SERVICE



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#### ADMA, NATA Study Air Show Equipment and accessories display, possibly including

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Hollowell on Board

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► Bombouer Heads Show-Under any ADMA is charmen of the show comguests attended the recent codyers ten 164 powers in a made of the arrangement and that comiler refer date that ramber patternile." He stated that such an assessment perchand by the arriver offer Tittle parentees for the stellars to renoun

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1888...Dependable Batteries for 60 Years...1948

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AVIATION PRODUCTS
JOHN IN WHILE DIRECTION

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#### New Air Service For Sportsmen

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## FINANCIAL

#### TWA Finances Beginning to Clarify Possibility seen that debentures held by Equitable Life may be exchanged for convertible preferred stack.

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AIR TRANSPORT

## Nonskeds Seek Atlantic Business European travel soors, and uncertificated carriers

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THE TIGERS CELEBRATE

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med pay of \$13,934,000 to 1947 and \$7,094,000 in the first market of 1946. been and its Adjuste consultant in the telped relieve a bottleseck in westboard transportation. It added that release to control fearered enabless. www.American crimes decaded ned by American Oversian has told CAR its make traps to Europe in the number of need for more could compensation in eleded continued, "is now being automated as

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The three U.S. trans-Atlantic flar corriers softered etechnical lesses before

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If however, terms compart by made errord the field's remost fundities to percentage to a server as well as field with an ere toward development Manybuk, Mevild grosed only \$11.55 for its fast there days of occurnon. But incorred braiges is not beas open of educations in rates, In secof this attaction, "It is obvious that whatever amounts of moments recover will be available during the peak season mike up for put longs, PAA can-

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Slick Gets AF Contract at Walant Rider, Ark, and other depets

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Canada Pays Air Passage The Constitut recomment will spend \$1,540,000 this corr to fiv immigrants







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# Modified C-47 Carries Connie Engine

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Air Cargo, Inc., Sets Up Pickup, Delivery Service Great transention fields to refect ground serves agreeables

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#### Six Crash Probe Reports Issued

CAB labels cause of Bainbridge accident unknown; gives findings on two PAA, three nonsked crashes-

More than a year of assumption has failed to deathing the came of the most energy examination and action in 10.5 hazars—the mesh of on Einstein A. Linco DCA were flaminated, M. A. Mar 33, 1947.

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The PAA Constellation societat at Shannor, Fire, Apr. 15, 1946, was probably cased "by the continuation of an automoral approach to an alltack intelligent to done the tensio," according to CAB. A contribution factor may have been

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W F HERARD & CO. 236 W. 27th STREET CHICAGO & ILLINOIS



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NATIONWIDE AIR TRANSPORT

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AVIATION WEEK, July 12, 1948

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#### FAM Payments Congress slashes Post

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WHY?. . There are more Sensouth remediers show all the right on the open of your step-



THE 1949 SEDAN





Personal Plane "LOUNGE CAR" COMFORTS won' stretch . Soft foom rebber groty - Bick Studying of instrument screl. Deep sile corpuling ... Frbar cires spend-renefice and

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Board Is Cautions On Flight Recorders

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AVIATION WEIK, July 22, 1965

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SEARCHLIGHT

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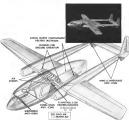
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## EDITORIAL

# Washington Round-Up

Seminator Sery No-Walter Weschell's column drives bet Mr. Symmyton tells us it is east as. "Why should it quilt Anghody on he a quette," he said just before he was introduced at a McConv-Hall patterly confurence here CAA Lord Charge-Windowston toroiden or Richard E. Elwell, CAA seneral courses, will be prolocal some as Delive, now assessed to the general counsel, directing the stoff Beleakill has the stress sunsert of Sen. McCarma and a group of influential men on Capital Hell, who stimule hashed here for the set of Atomic State. Sol.

Cost, Publicity Shuffe-Accordant to the own minus. tion." Cost Boline Serv. 1500, who has been assessed to of the occurry." Cape Bray that becomes the assatust who deak with Mr. Perental's sevent exercist. Actually, while Highes is to develop "on everall rubble information and Mades to comence a flacty among Washenston and New York netarion attorneys. One of the first about of the ex CAB stellers is Calinaid Adrines. The fact that Coverts. carriers is seather harbinger of a still better phase of the length remem the senseties and materialists that 

here that the COP, if it was, will confirm to be strength sircurded to the point of mensuing the place program soler than reffer it Regulations Overheal-Deley Rectarl tells faireds be plans to start shortly on a surjec overhand of CAA policies on able. He twon a strong curdents in CAA setrebes on research and development, after than on police duties As Force Budget-For the first tase in history, the Asand 12 cooling associate are at work. Reviews corner force recet 12 years, metadrat who with Labor Department,

5-Year Procurement Bell-The Congressional bill which web of Conveys to adverse. There was no necessition to it It would have payofed contract authority for the full five years, with repropositions to be made remeally, metrod of

NACA meeting to the bin asts of San Francisco. Vinden. ing. Air Force old missing to the up a general (Bete Gen non control wheelpland for they week. But Ay France house

ectuate to be exposed to say dileties of its exacter thinking CAB Staff Indignant-CAB personnel are seeking over unspected stucks spiret them opposing in the rating tude next. Allerations were made that inclinates is wide

the Midnest to Mrs System Melbe.

has recording who fe't the market short-channel in several Propagle-French on hidden Best Gos, the popular and slert public relations boss of the AlA and a VP of Hall & Knowless. He mushed as both the Taft and Dewey pender of Philiotylan Doc Hertmalt, who plots the

Airlines fly on Good Gnoundwork peoles). Most of these men see grid-

Commercial arthur reades are whelsted urine everbal secosly. be To make servicing of Spercy transac schools. Here the stringer

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